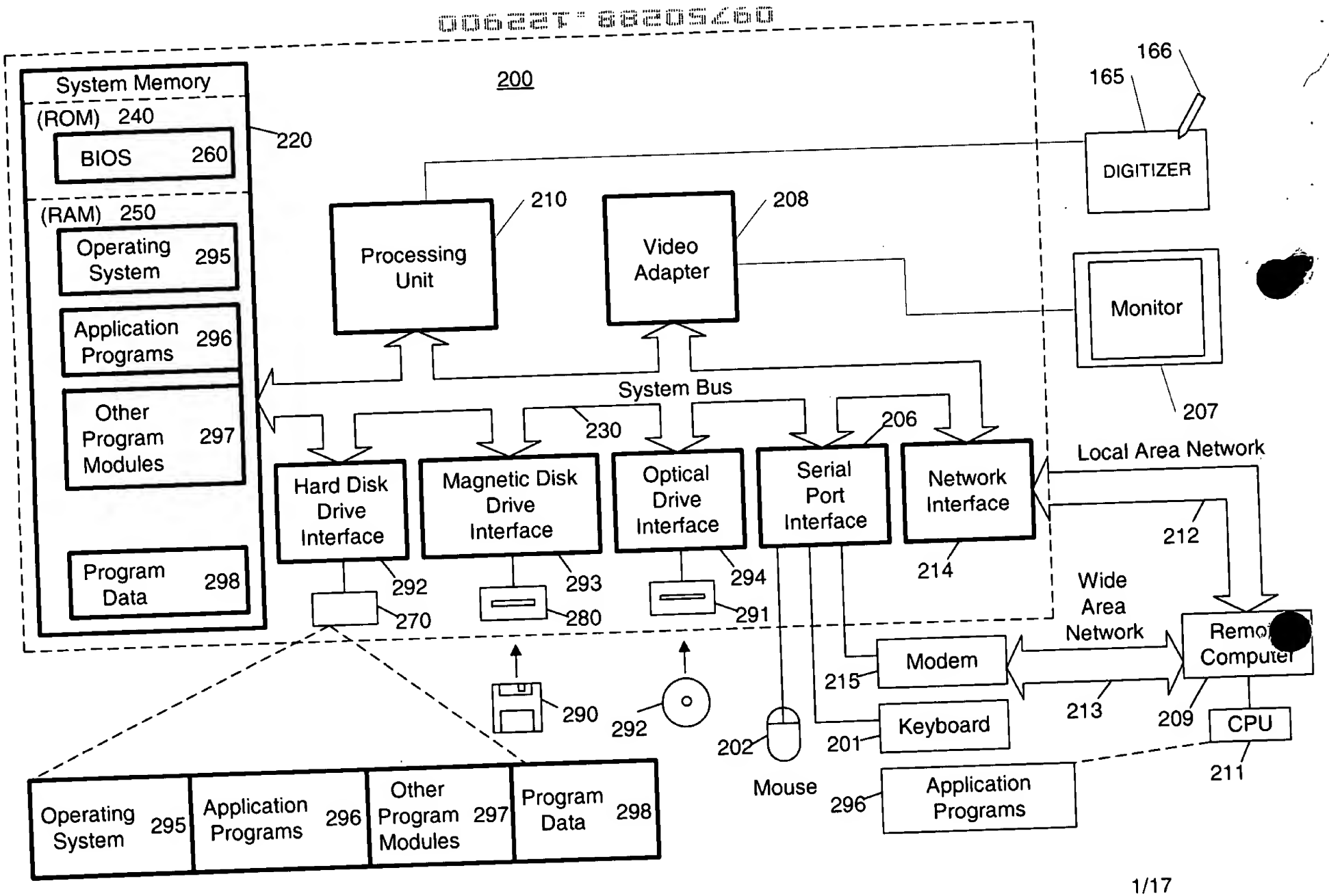


1/17

Figure 1A

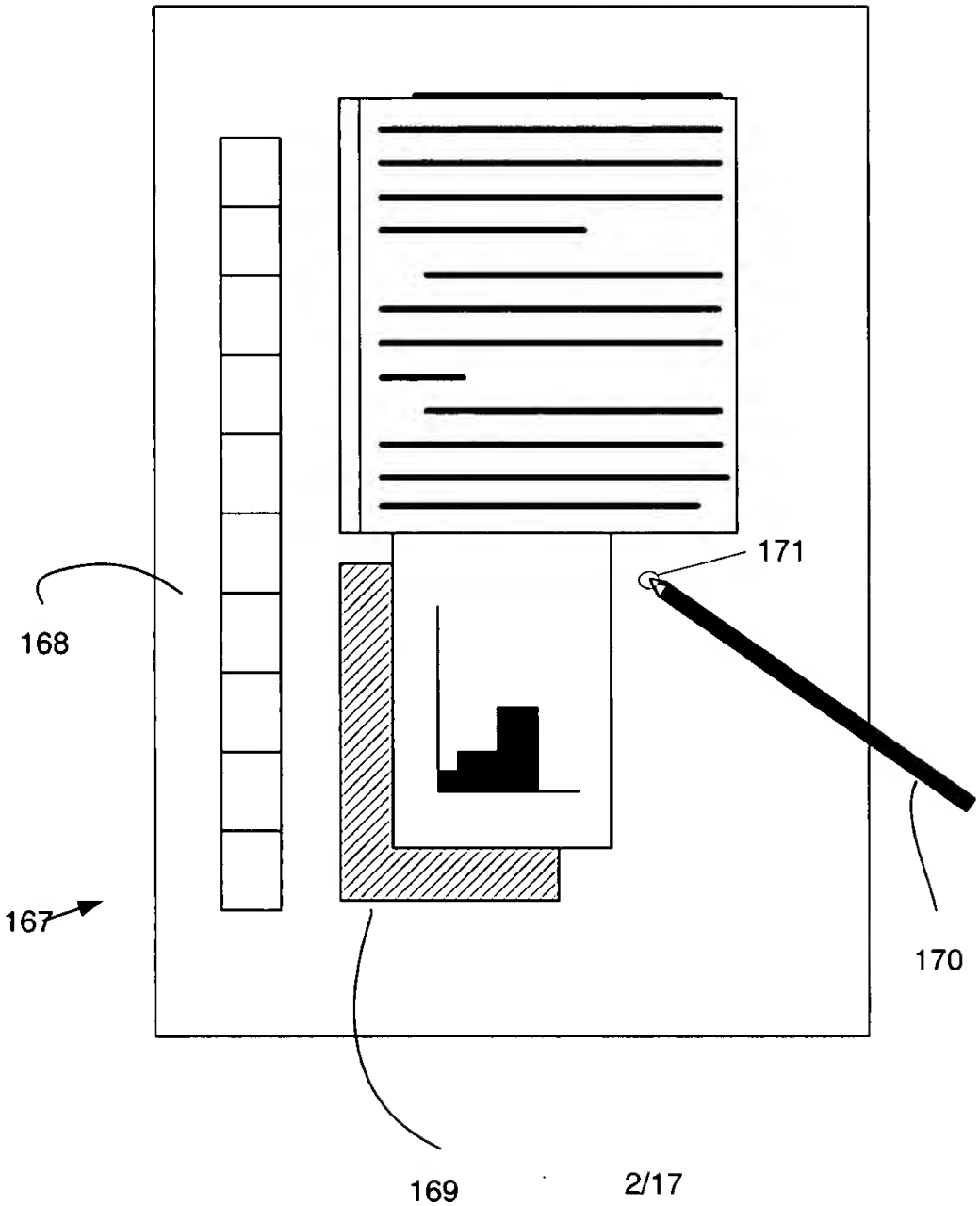


Figure 1B

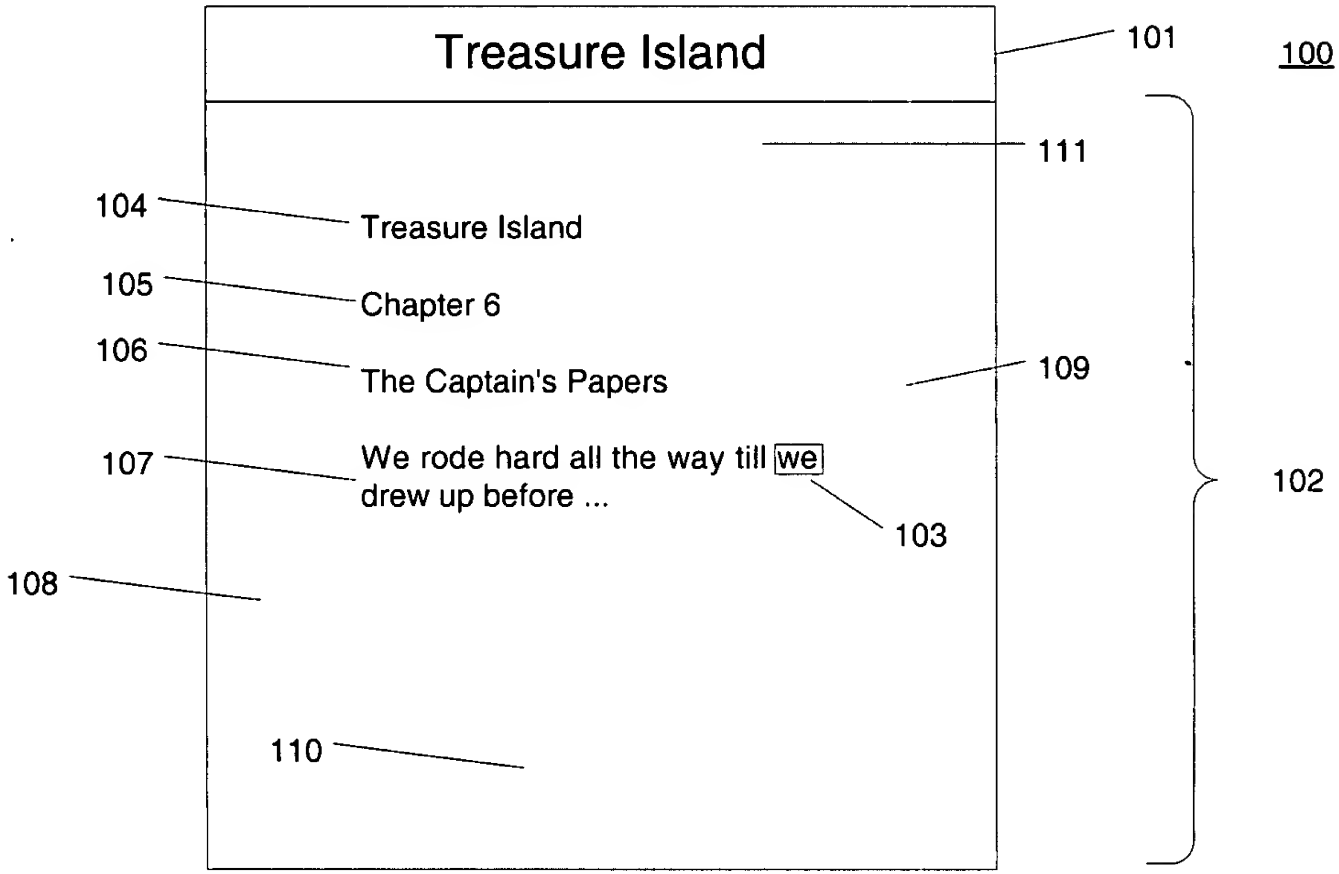

Treasure Island
101
100
111
104
Treasure Island
105
Chapter 6
106
The Captain's Papers
109
107
We rode hard all the way till we
drew up before ...
103
102
108
110

Figure 2

Figure 3A

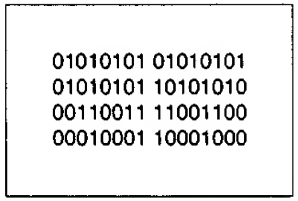


Figure 3B

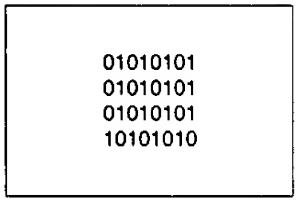


Figure 4

Figure 5

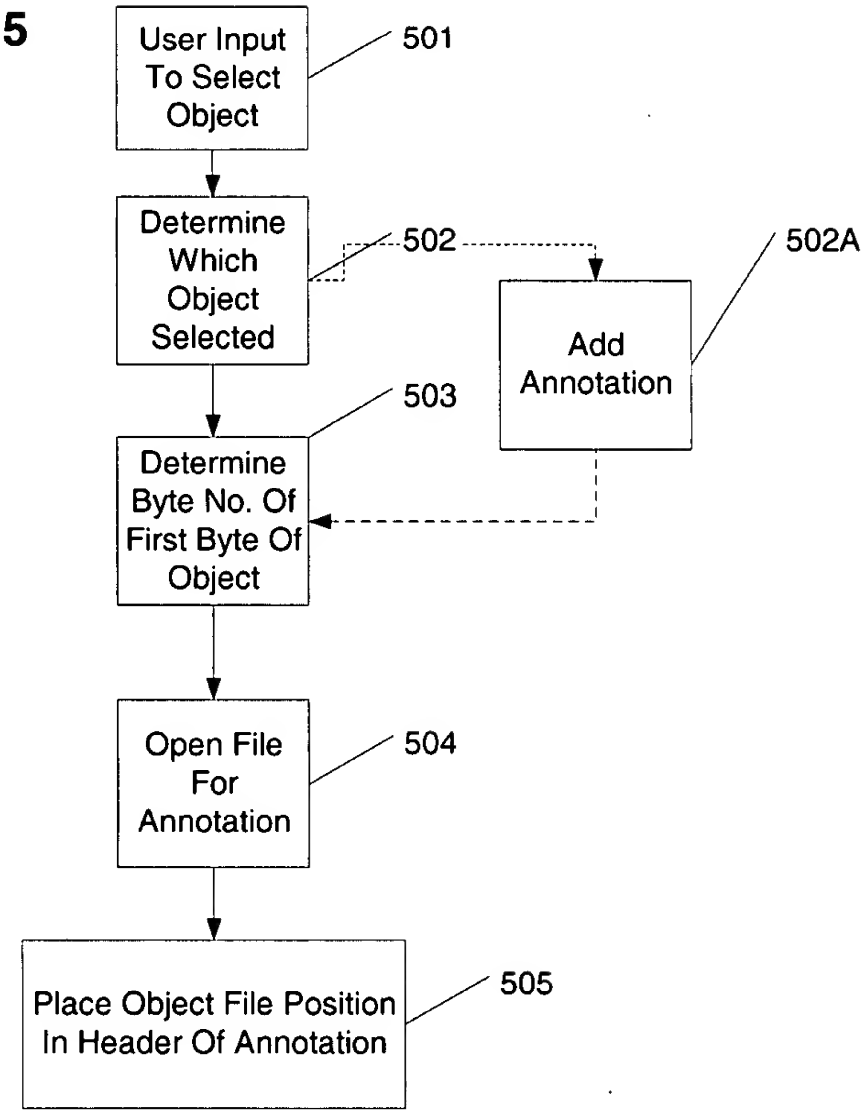

User Input To Select Object
501
Determine Which Object Selected
502
502A
Add Annotation
503
Determine Byte No. Of First Byte Of Object
Open File For Annotation
504
Place Object File Position In Header Of Annotation
505

Figure 6

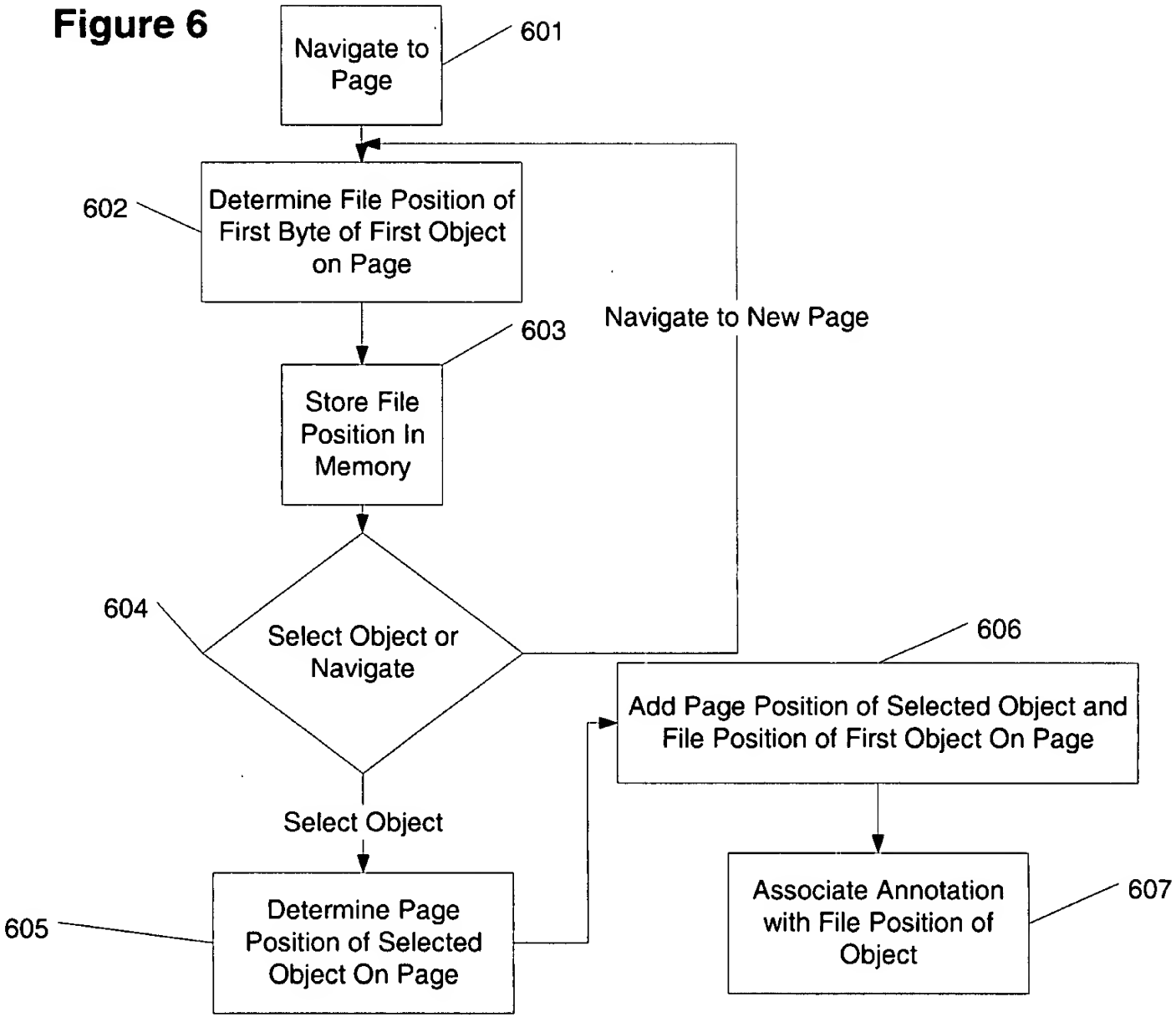
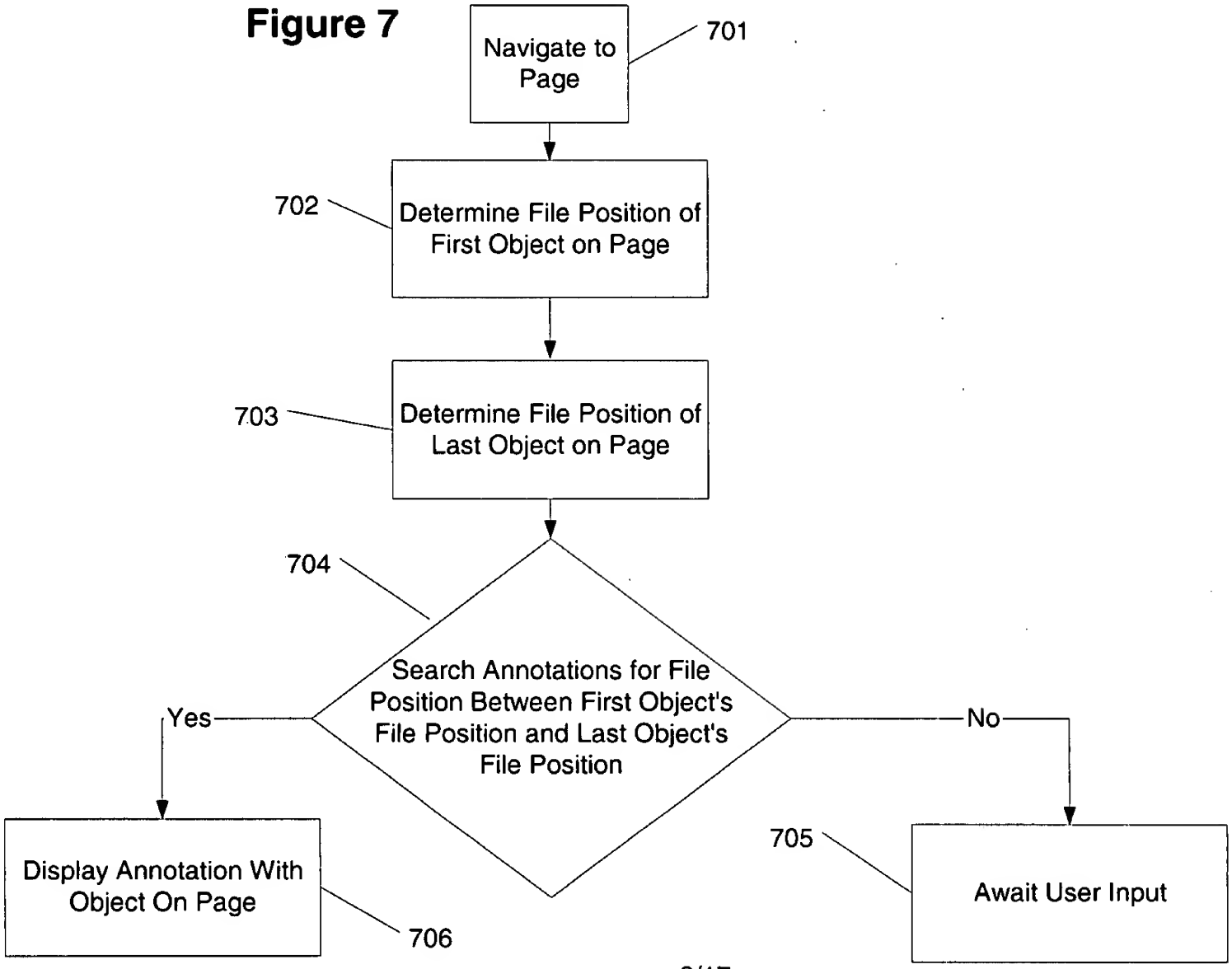

Navigate to Page
601
Determine File Position of First Byte of First Object on Page
602
Store File Position In Memory
603
Navigate to New Page
Select Object or Navigate
604
Select Object
Determine Page Position of Selected Object On Page
605
Add Page Position of Selected Object and File Position of First Object On Page
606
Associate Annotation with File Position of Object
607

Figure 7


Navigate to Page
701
Determine File Position of First Object on Page
702
Determine File Position of Last Object on Page
703
Search Annotations for File Position Between First Object's File Position and Last Object's File Position
704
Yes
No
Display Annotation With Object On Page
706
Await User Input
705

801

Figure 8A

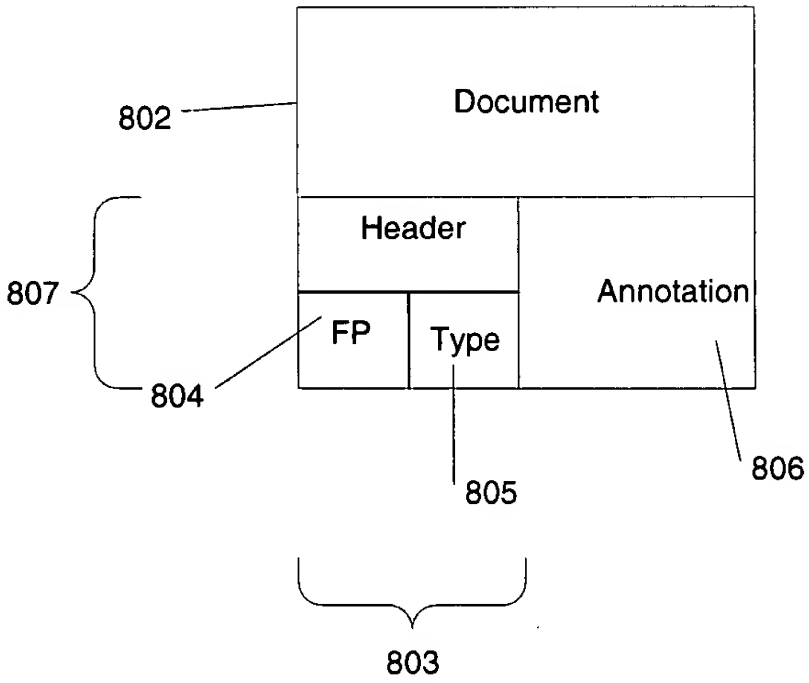


Figure 8B

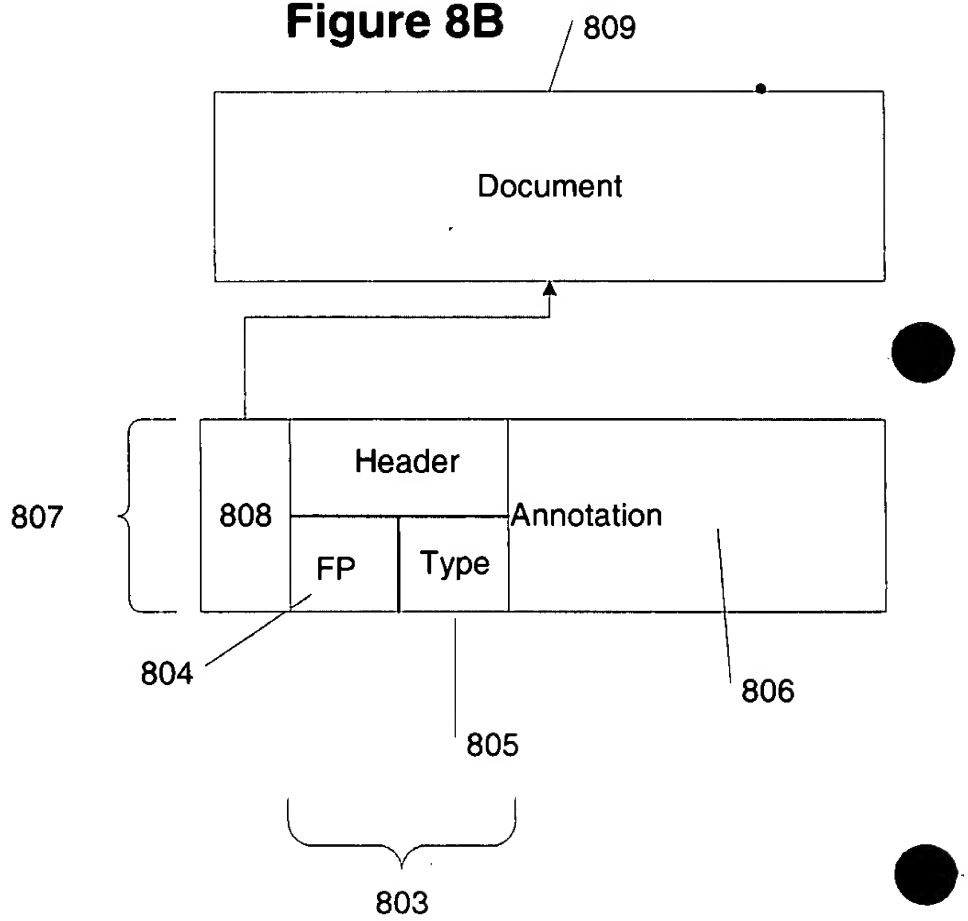
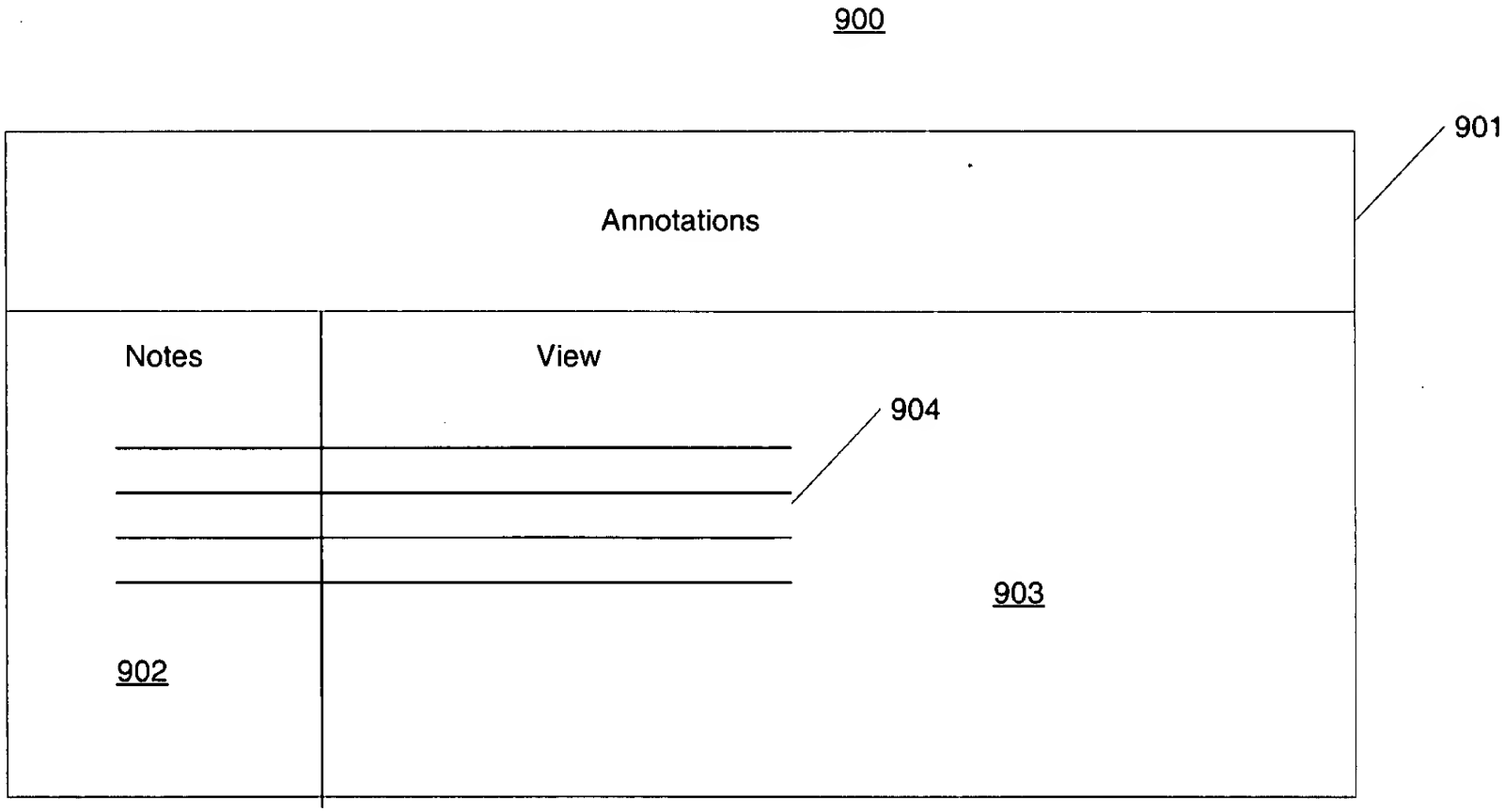
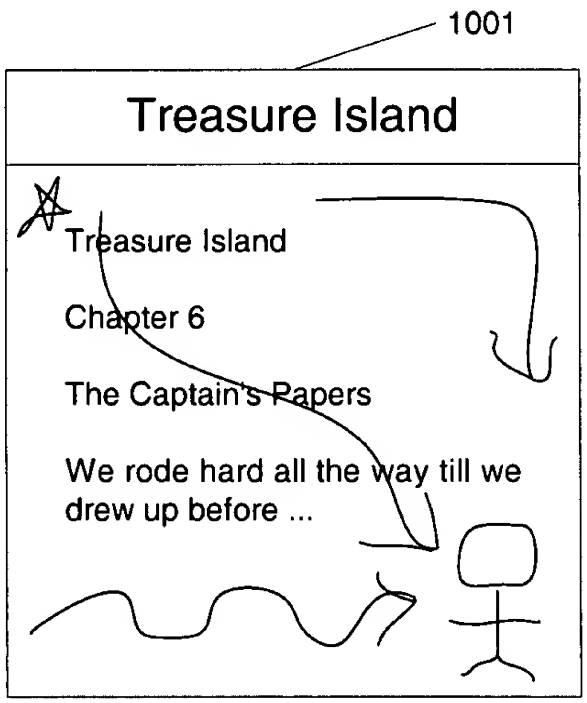


Figure 9




1001
Treasure Island
Treasure Island
Chapter 6
The Captain's Papers
We rode hard all the way till we drew up before ...

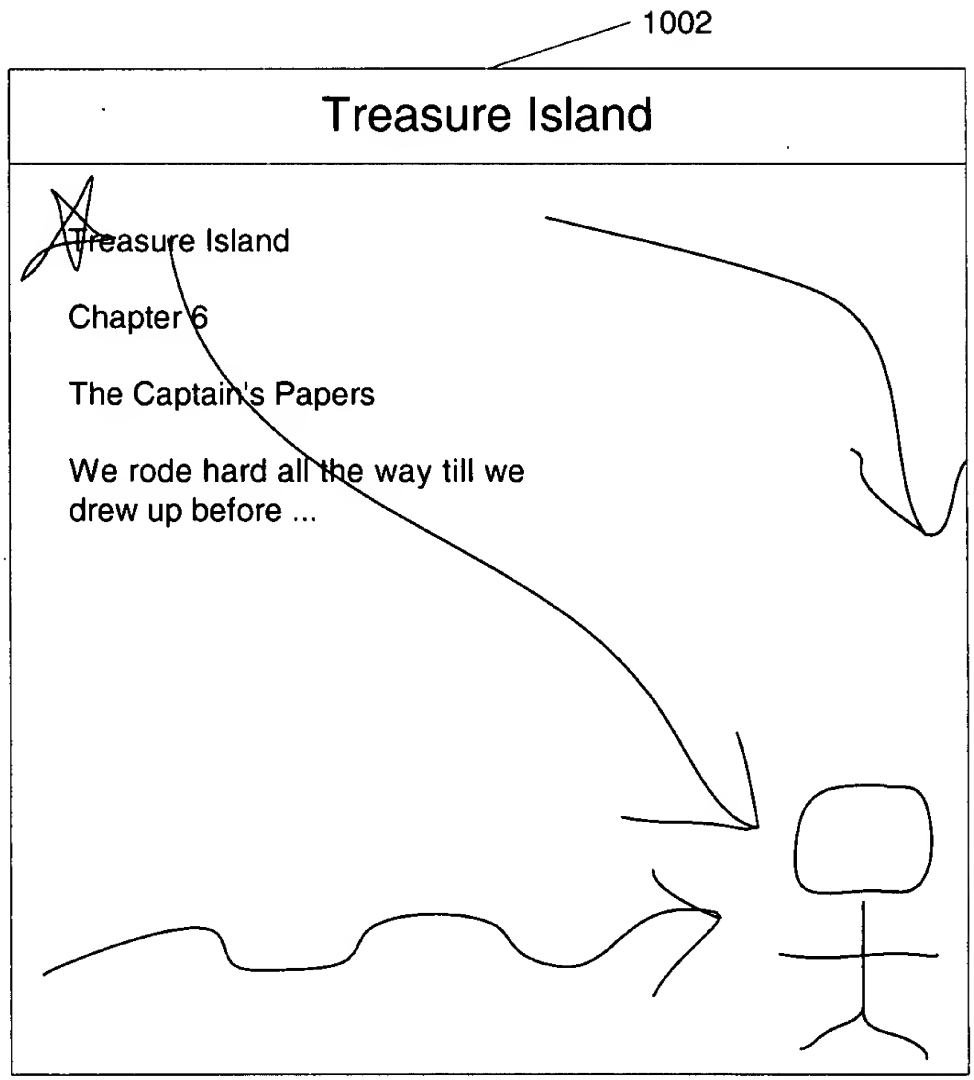
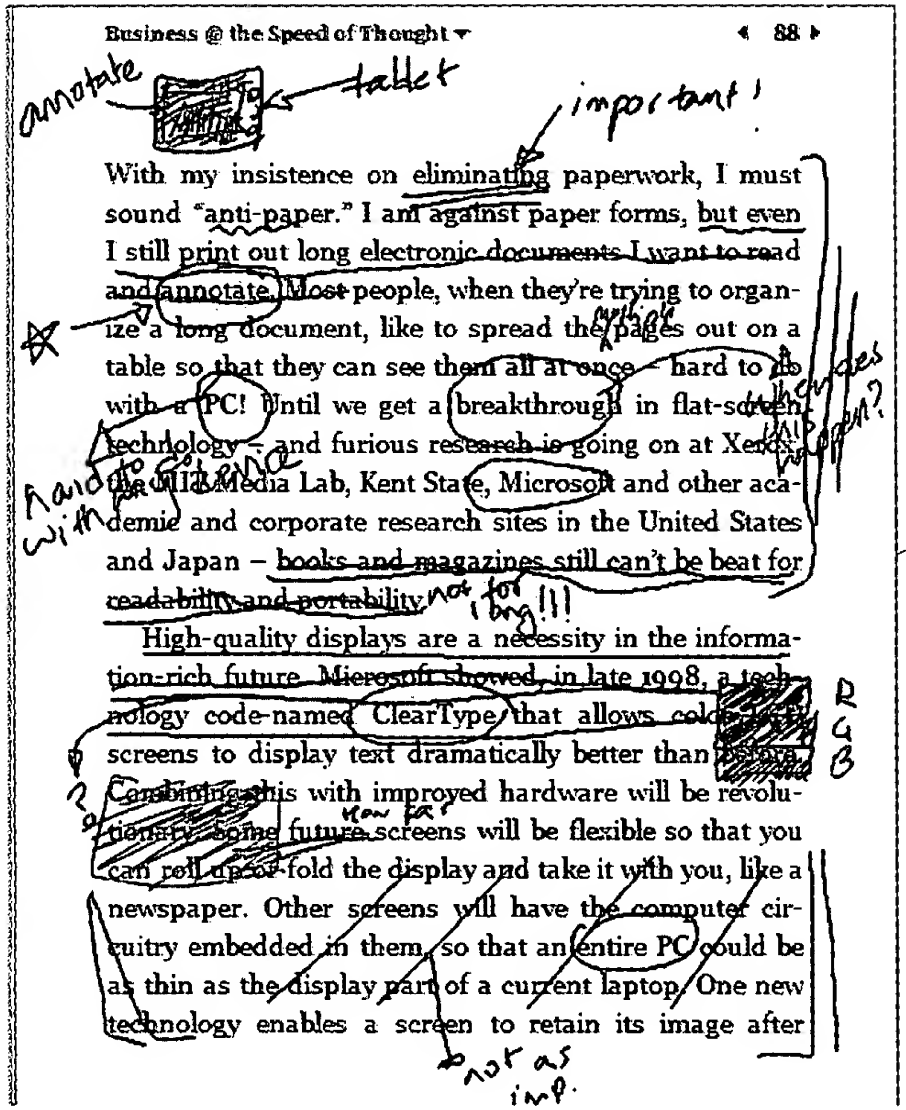
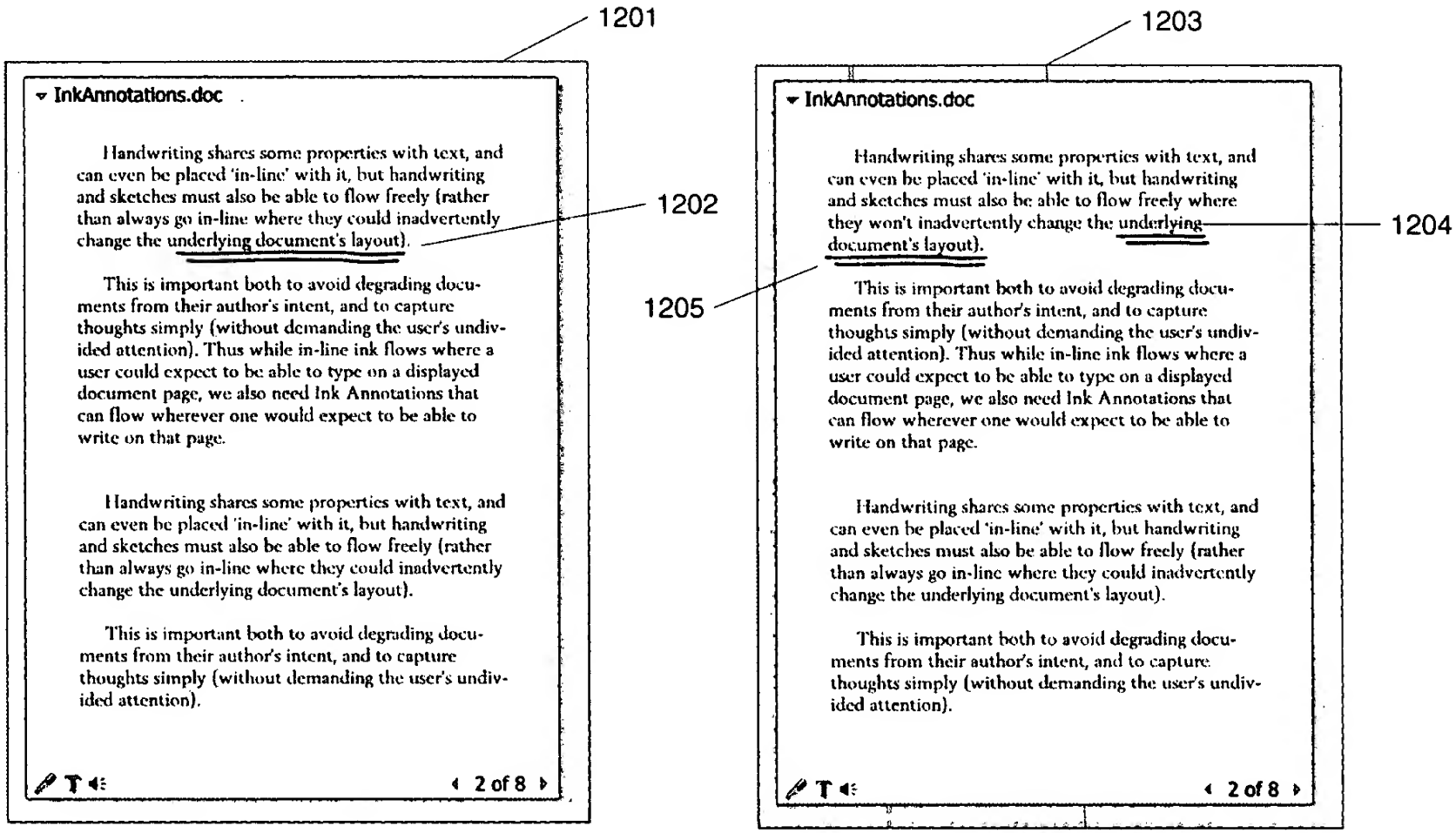

1002
Treasure Island
Treasure Island
Chapter 6
The Captain's Papers
We rode hard all the way till we drew up before ...

Figure 10



1101

Figure 11


1201
1202
1203
1204
1205
InkAnnotations.doc
Handwriting shares some properties with text, and can even be placed 'in-line' with it, but handwriting and sketches must also be able to flow freely (rather than always go in-line where they could inadvertently change the underlying document's layout).
This is important both to avoid degrading documents from their author's intent, and to capture thoughts simply (without demanding the user's undivided attention). Thus while in-line ink flows where a user could expect to be able to type on a displayed document page, we also need Ink Annotations that can flow wherever one would expect to be able to write on that page.
Handwriting shares some properties with text, and can even be placed 'in-line' with it, but handwriting and sketches must also be able to flow freely (rather than always go in-line where they could inadvertently change the underlying document's layout).
This is important both to avoid degrading documents from their author's intent, and to capture thoughts simply (without demanding the user's undivided attention).
2 of 8
InkAnnotations.doc
Handwriting shares some properties with text, and can even be placed 'in-line' with it, but handwriting and sketches must also be able to flow freely where they won't inadvertently change the underlying document's layout).
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2 of 8

Figure 12

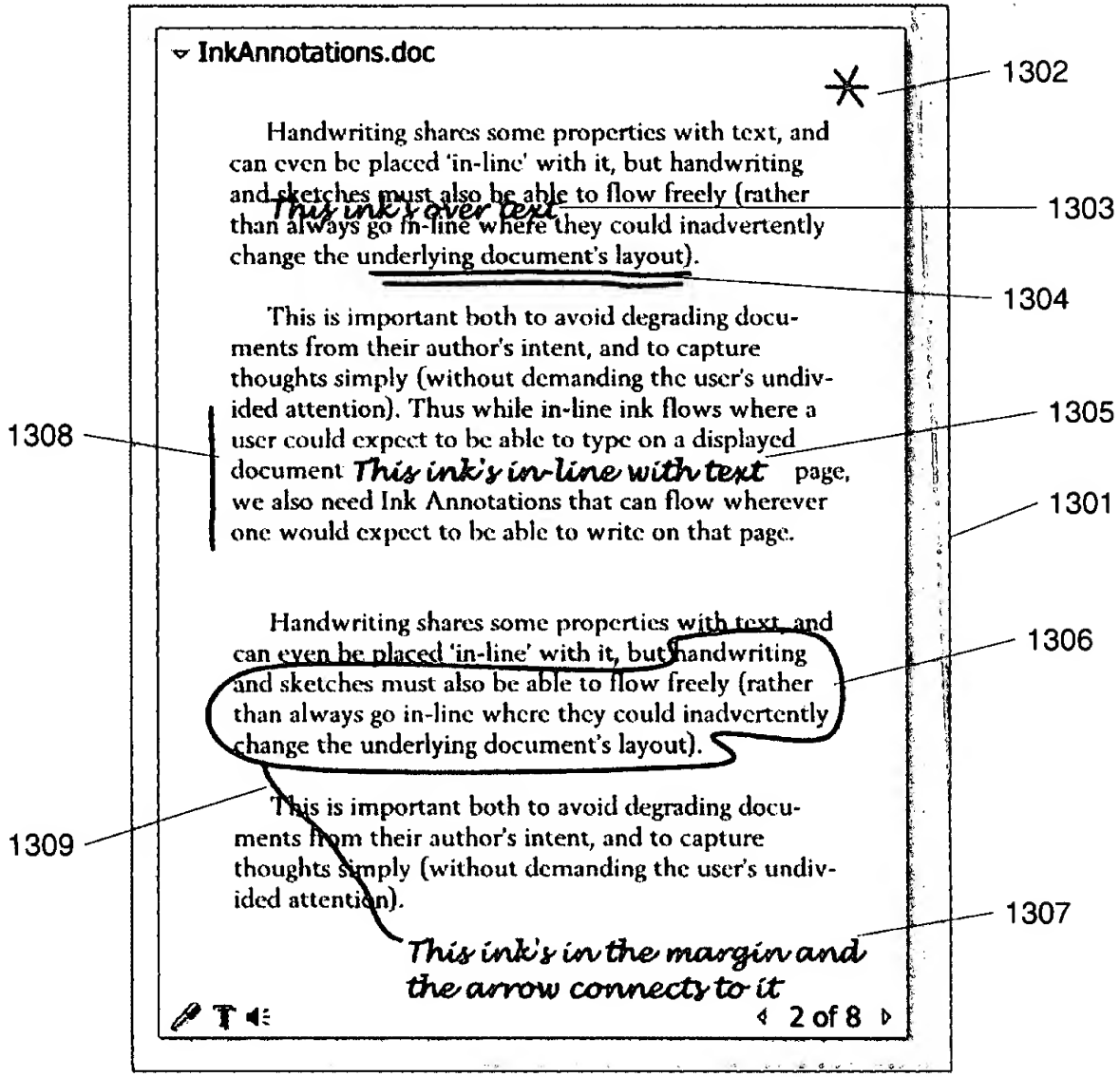
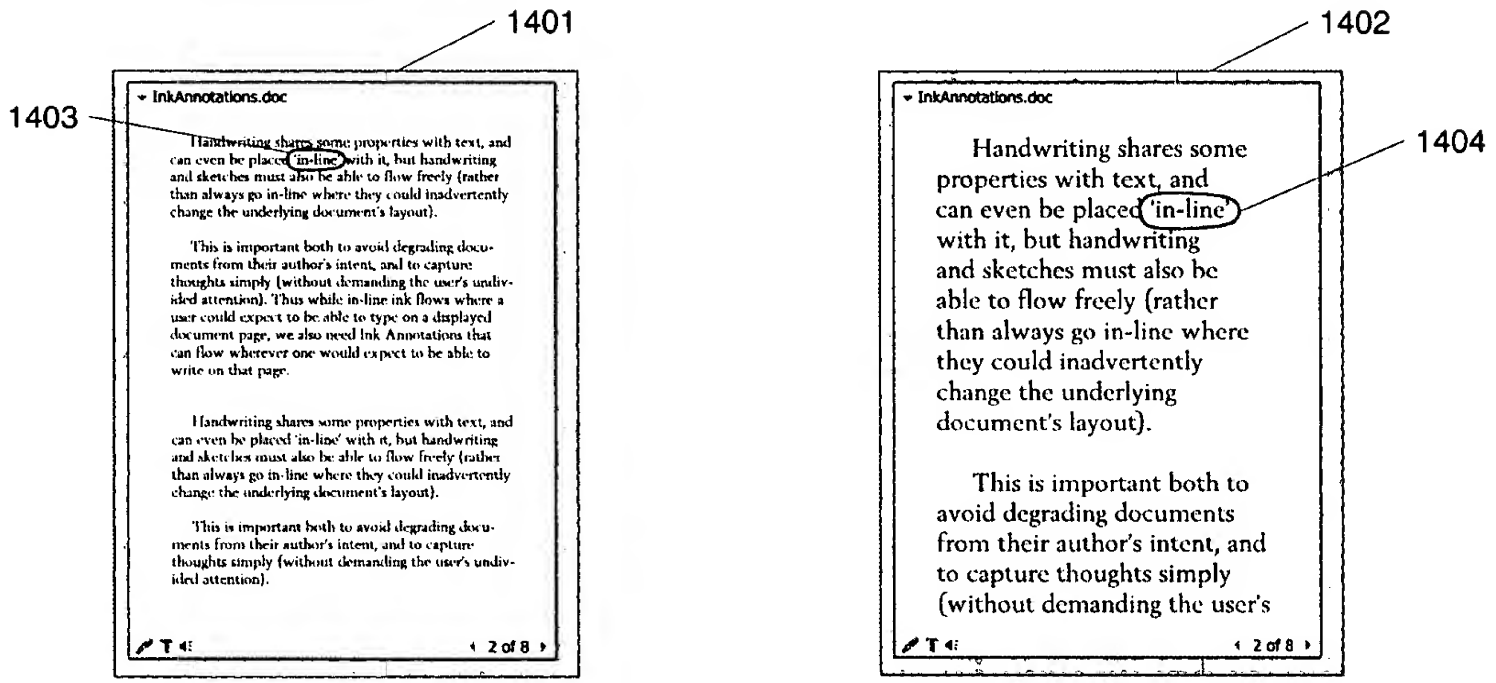

InkAnnotations.doc
Handwriting shares some properties with text, and can even be placed 'in-line' with it, but handwriting and sketches must also be able to flow freely (rather than always go in-line where they could inadvertently change the underlying document's layout).
This ink's over text
This is important both to avoid degrading documents from their author's intent, and to capture thoughts simply (without demanding the user's undivided attention). Thus while in-line ink flows where a user could expect to be able to type on a displayed document
This ink's in-line with text
page, we also need Ink Annotations that can flow wherever one would expect to be able to write on that page.
Handwriting shares some properties with text, and can even be placed 'in-line' with it, but handwriting and sketches must also be able to flow freely (rather than always go in-line where they could inadvertently change the underlying document's layout).
This is important both to avoid degrading documents from their author's intent, and to capture thoughts simply (without demanding the user's undivided attention).
This ink's in the margin and the arrow connects to it
2 of 8
1302
1303
1304
1305
1306
1307
1308
1309
1301

Figure 13


1401
1402
1403
1404
InkAnnotations.doc
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2 of 8
InkAnnotations.doc
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This is important both to avoid degrading documents from their author's intent, and to capture thoughts simply (without demanding the user's
2 of 8

Figure 14

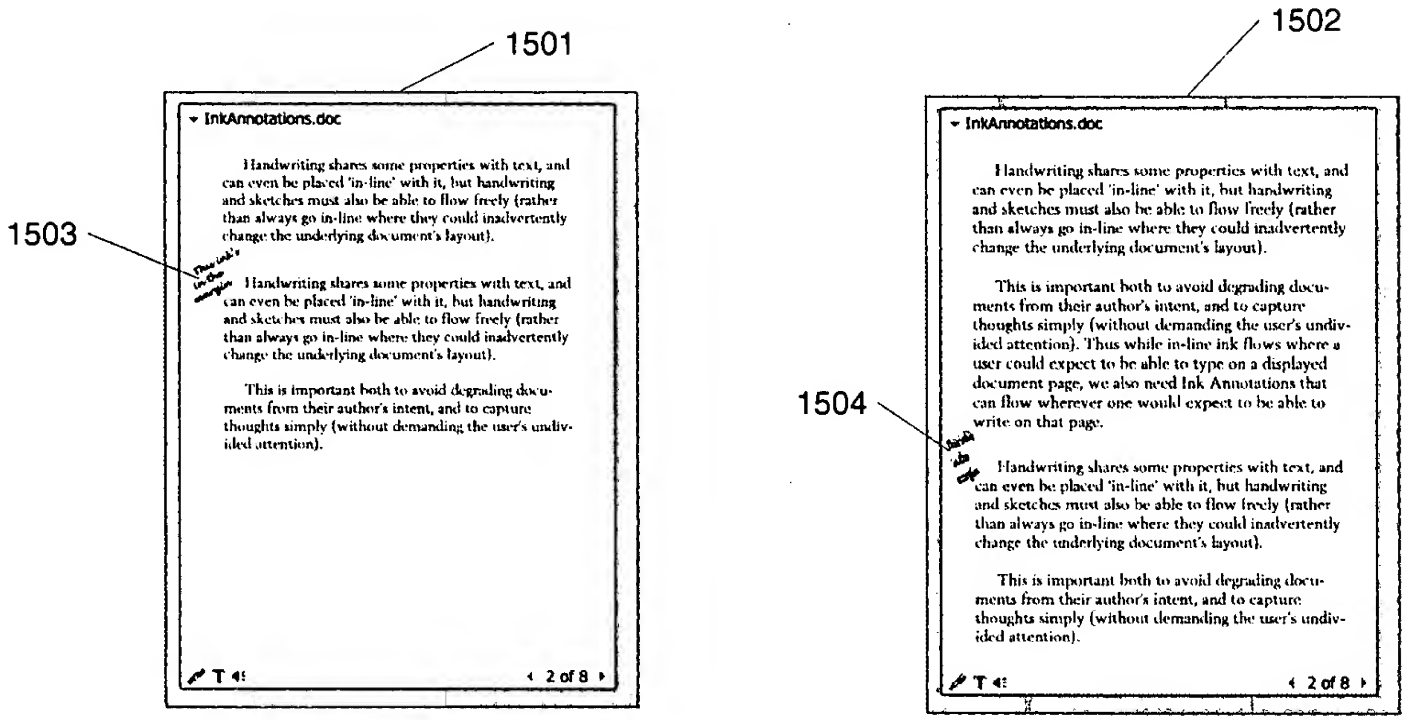
1501
1502
1503
1504
InkAnnotations.doc
Handwriting shares some properties with text, and can even be placed 'in-line' with it, but handwriting and sketches must also be able to flow freely (rather than always go in-line where they could inadvertently change the underlying document's layout).
This is important both to avoid degrading documents from their author's intent, and to capture thoughts simply (without demanding the user's undivided attention).
Thus while in-line ink flows where a user could expect to be able to type on a displayed document page, we also need Ink Annotations that can flow wherever one would expect to be able to write on that page.
2 of 8

Figure 15

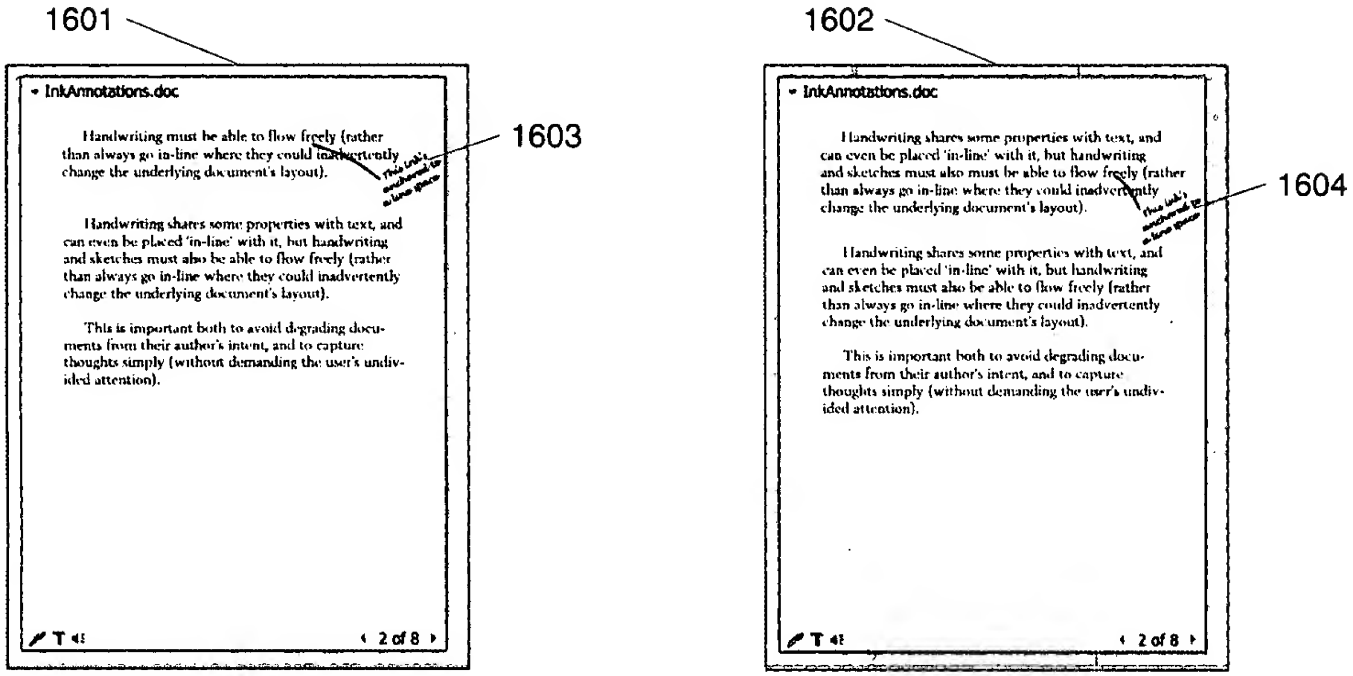
1601
InkAnnotations.doc
Handwriting must be able to flow freely (rather than always go in-line where they could inadvertently change the underlying document's layout).
Handwriting shares some properties with text, and can even be placed 'in-line' with it, but handwriting and sketches must also be able to flow freely (rather than always go in-line where they could inadvertently change the underlying document's layout).
This is important both to avoid degrading documents from their author's intent, and to capture thoughts simply (without demanding the user's undivided attention).
2 of 8
1603
1602
InkAnnotations.doc
Handwriting shares some properties with text, and can even be placed 'in-line' with it, but handwriting and sketches must also must be able to flow freely (rather than always go in-line where they could inadvertently change the underlying document's layout).
Handwriting shares some properties with text, and can even be placed 'in-line' with it, but handwriting and sketches must also be able to flow freely (rather than always go in-line where they could inadvertently change the underlying document's layout).
This is important both to avoid degrading documents from their author's intent, and to capture thoughts simply (without demanding the user's undivided attention).
2 of 8
1604

Figure 16